

QR1-S-RID standard series

R432000071

2025-04-24

AVENTICS Series QR1 Fittings

AVENTICS Series QR1 push-in connectors with easy, secure mounting are available in many versions: for tubing diameters from 3 to 16 mm, as well as in plastic, metal, and stainless steel variants. QR1 Series offers a cylindric thread that allows repeated connection and release without problems (Quick Release) and captive O-ring guarantees an optimal sealing. Our QR program offers the right solution for every application and industry.



Technical data

Industry	Industrial
Fitting type	Swivel banjo connection 2-fold, with internal thread
Compressed air connection type	External thread
Port G	1/2 NPT
Compressed air connection type 2	Push-in fitting
Port D	Ø1/2
Compressed air connection type 3	Internal thread
Compressed air connection 3	1/2 NPT
Type	QR1-S-RID
Min. working pressure	-0.95 bar
Max. working pressure	16 bar
Min. ambient temperature	-20 °C
Max. ambient temperature	80 °C
Delivery quantity	10 piece
Weight	0.29 kg

Material

Housing material	Polyamide
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Seal material	Acrylonitrile butadiene rubber
Material tooth lock washer	Stainless Steel
Material release ring	Polyamide
Material release ring holder	Die cast zinc
	Brass
Surface release ring holder	nickel-plated
Material thread	Brass
Surface thread	nickel-plated
Part No.	R432000071

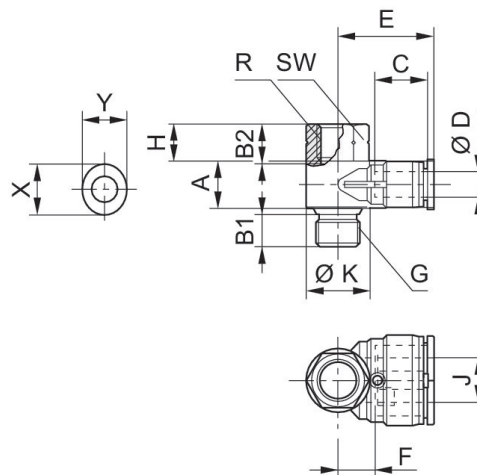
Technical information

The series QR1 (plastic) and QR2 (metal) can not be combined

Thread seal with captive O-ring

These pneumatic components with NPT or inch thread dimensions are only available from our US sales organization.

Dimensions in inches



Dimensions in inches

Part No.	Port R	Port D	Port G	A	B1	B2	C	E	H	J
R432000075	10-32 UNF	Ø5/32	10-32 UNF	0.35	0.16	0.2	0.2	0.83	0.26	0.39
R432000072	1/4 NPT	Ø1/4	1/8 NPT	0.59	0.32	0.47	0.47	1.19	0.45	0.55
R432000074	1/4 NPT	Ø5/16	1/4 NPT	0.71	0.43	0.51	0.51	1.35	0.53	0.67
R432000073	3/8 NPT	Ø3/8	3/8 NPT	0.83	0.47	0.63	0.63	1.51	0.67	0.79
R432000071	1/2 NPT	Ø1/2	1/2 NPT	0.83	0.59	0.63	0.63	1.51	0.67	0.79

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Part No.	Ø K	SW	X	Y
R432000075	0.39	5/16	0.47	0.39
R432000072	0.79	9/16	0.55	0.47
R432000074	0.91	11/16	0.63	0.55
R432000073	1.18	7/8	0.75	0.67
R432000071	1.18	1	0.91	0.83